

Exhibition Survey

Thanks for you participation. Your information will not be disclosed.

* Required

1. Age *

Mark only one oval.

- ☐ 14 and below
- ☐ 15-20
- ☐ 21-30
- ☐ 31-40
- ☐ 41-50
- ☐ 51 and above

2. Educational Background *

Mark only one oval.

- ☐ Science
- ☐ Non-science (e.g. liberal arts, business, management, visual arts)

3. Gender *

Mark only one oval.

- ☐ Male
- ☐ Female

4. Level of Education *

Mark only one oval.

- ☐ Primary
- ☐ Secondary
- ☐ Tertiary

5. Do you have a heritable disease?

Mark only one oval.

- ☐ Yes
- ☐ No

Exposure towards Synthetic Biology

6. Rate your knowledge towards synthetic biology or genetic modified organisms/food? *

Mark only one oval.

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Are you well-informed about the CRISPR-Cas9 technology before attending our booth? **Mark only one oval.*

- ☐ Never heard of this technology
- ☐ Heard of it but do not understand it's usage
- ☐ Understands clearly about this technology
- ☐ Other:

8. From which source did you obtain information regarding CRISPR-Cas? **Mark only one oval.*

- ☐ academic books
- ☐ newspaper/magazines
- ☐ social media
- ☐ Our booth
- ☐ Other:

9. Rate the improvement of your understanding towards CRISPR/Cas9 technology. **Mark only one oval.*

0	1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Opinions on the Applications of CRISPR/Cas9 in HealthCare**10. Considering DNA can be easily manipulated now, which area should be prioritized for future improvement? ****Mark only one oval.*

- ☐ Food production
- ☐ Energy production
- ☐ Healthcare
- ☐ Environmental problems
- ☐ Research and Development of diseases
- ☐ We should not edit DNA of any organism
- ☐ Other:

11. To what extent do you agree on the manipulation of human DNA? **Mark only one oval.*

- ☐ Yes to all extent
- ☐ Yes but regulations have to be imposed to limit the degree of manipulation
- ☐ We should not edit human DNA.
- ☐ Other:

12. **CRISPR may potentially be used to correct defective genes. However, there is a very small chance that it may accidentally alter another unknown part of your DNA (off-target effects). If you are a patient considering CRISPR therapeutics, will you take the risk and still proceed with the treatment? ***

Mark only one oval.

- ☐ Yes, because I am a risk-taker
- ☐ Yes, because all drugs have side effects anyway
- ☐ No, because I advocate natural healing.
- ☐ No, because I am worried about the undesired effects of off-target activity
- ☐ Other:

13. **Considering that this technology has been fully developed, how will you use this technology? ***

Mark only one oval.

- ☐ Removing a genetic defect that causes disease
- ☐ Inserting genes of "good characters"
- ☐ Both
- ☐ None, as I'm comfortable with my original self
- ☐ None, as I worry for the side-effects of this technology
- ☐ Other:

14. **If you are considering to have a child, to what extent would you utilise this technology for the benefit of your child? ***

Mark only one oval.

- ☐ Removing a genetic defect that causes disease
- ☐ Inserting genes of "good characters"
- ☐ Both
- ☐ None, as I advocate for natural birth
- ☐ None, as I worry for the side-effects of this technology
- ☐ Other:

15. **Which obstacle do you think should be addressed with the highest priority before being applied in humans for gene therapy? ***

Mark only one oval.

- ☐ Ethical and religious issues
- ☐ Risks associated with DNA editing
- ☐ Economical issues
- ☐ Ease of application
- ☐ Other:

16. As mentioned in our booth, this technology has been approved for manipulation of DNA in embryos for research purposes in the UK. Do you think that similar laws should be passed in Singapore to further develop this technology? *

Mark only one oval.

- ☐ Yes and we should take a step further
- ☐ Yes but with more stringent regulations
- ☐ No
- ☐ Other:
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